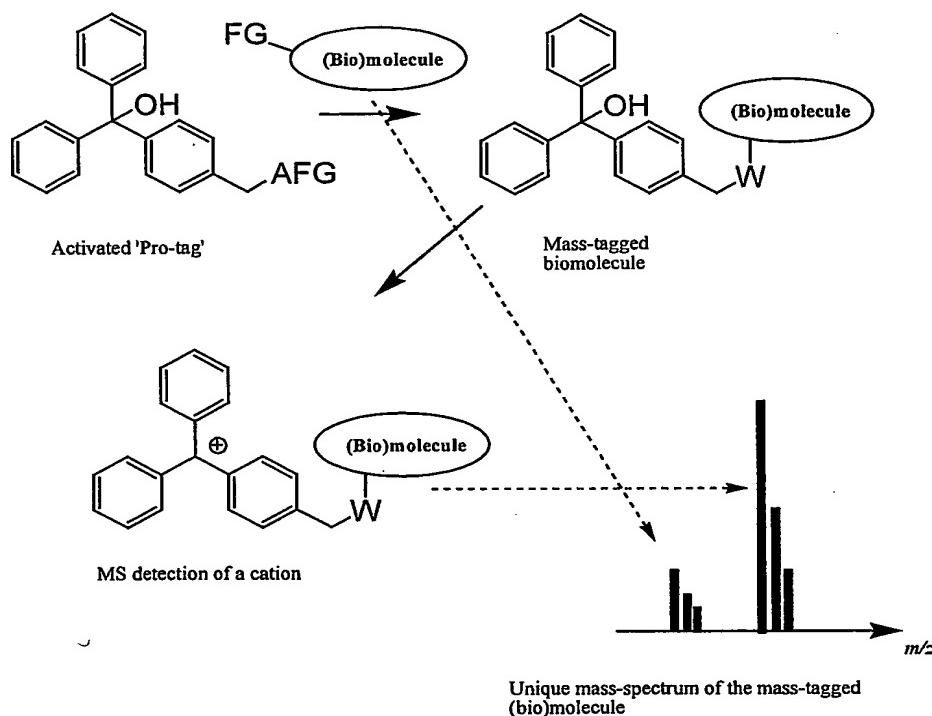


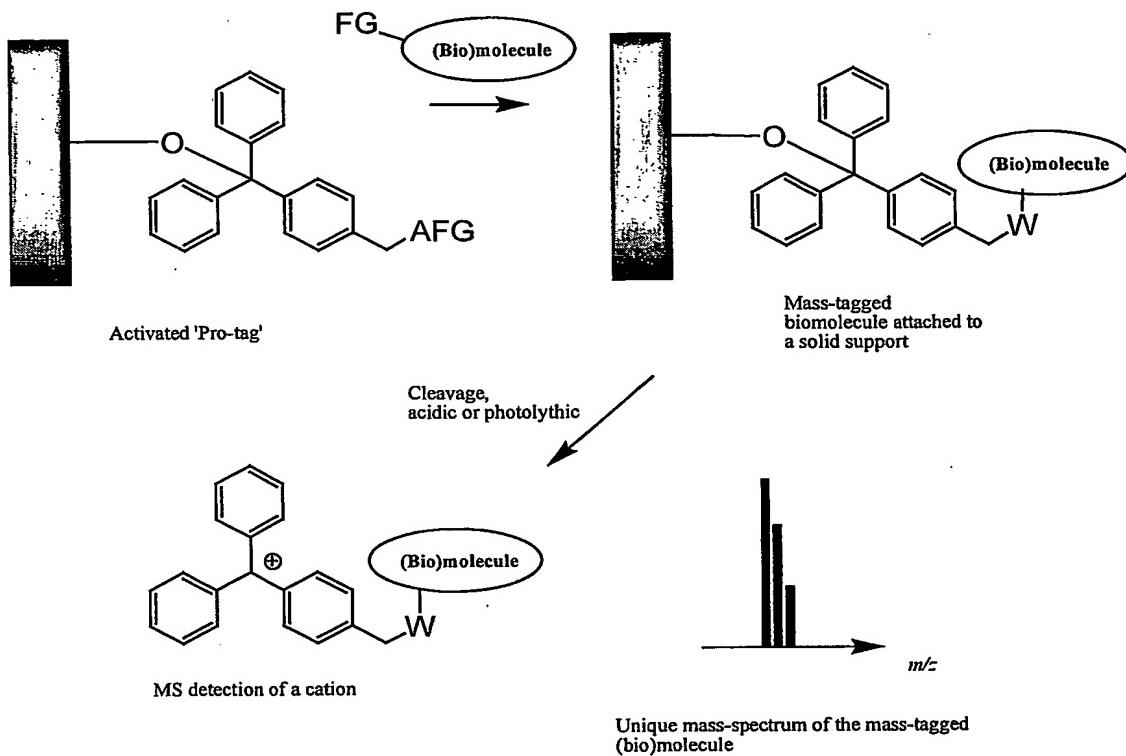
**Figure 1****Trityl Tagging**

AFG, activated functional group, i.e. NHS or maleimido

FG, functional group, i.e. NH<sub>2</sub> or SH

W, a bond between AFG and FG

(Bio)molecule, a molecule to be analysed, i.e. a peptide

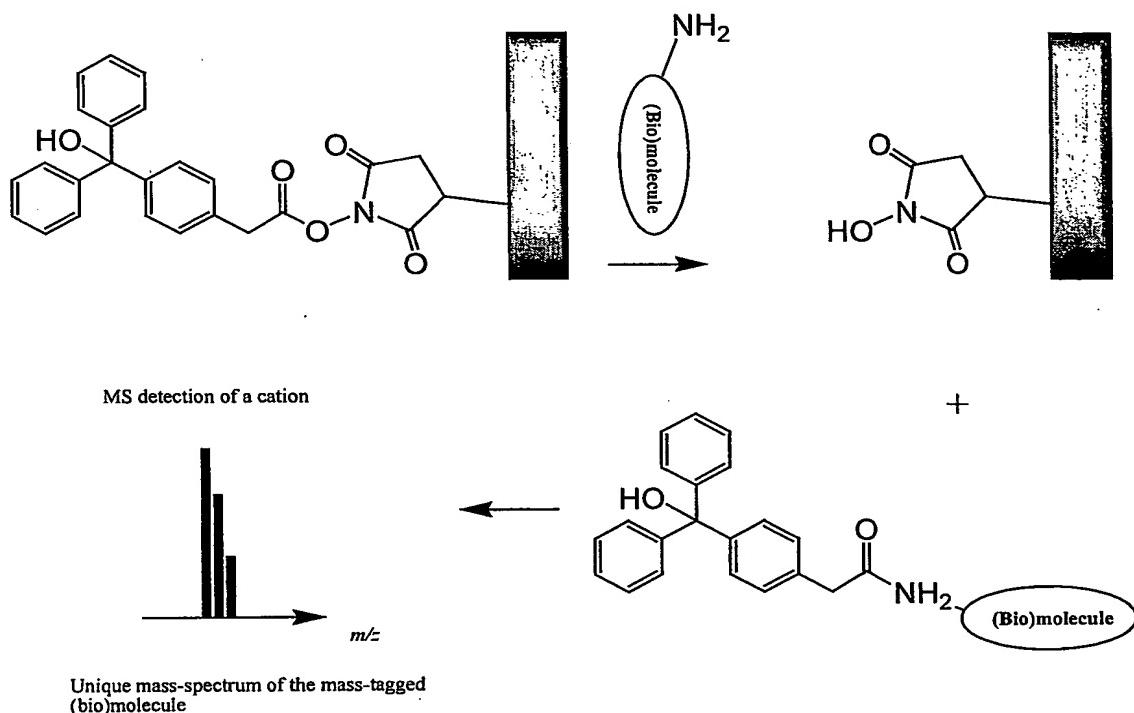
**Figure 2****Tryptyl Enhancer Tagging on Solid Support**

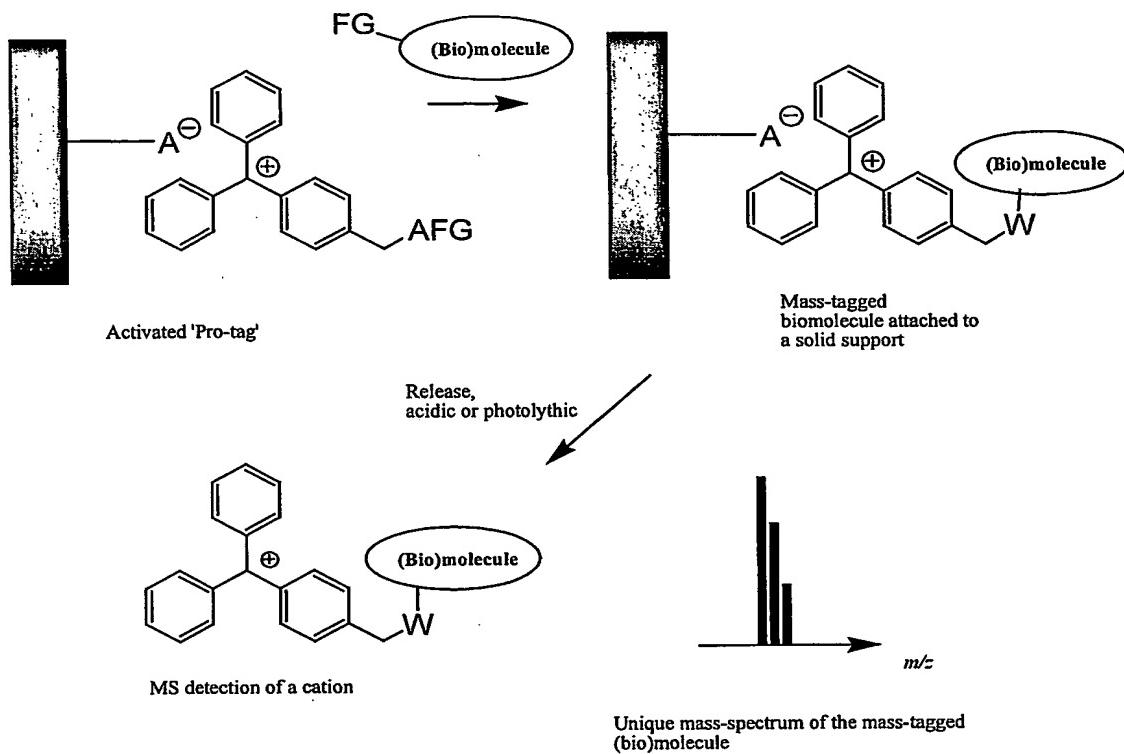
AFG, activated functional group, i.e. NHS or maleimido

FG, functional group, i.e.  $\text{NH}_2$  or  $\text{SH}$

W, a bond between AFG and FG

(Bio)molecule, a molecule to be analysed, i.e. a peptide

**Figure 3****Reverse Trityl Enhancer Tagging on Solid Support**

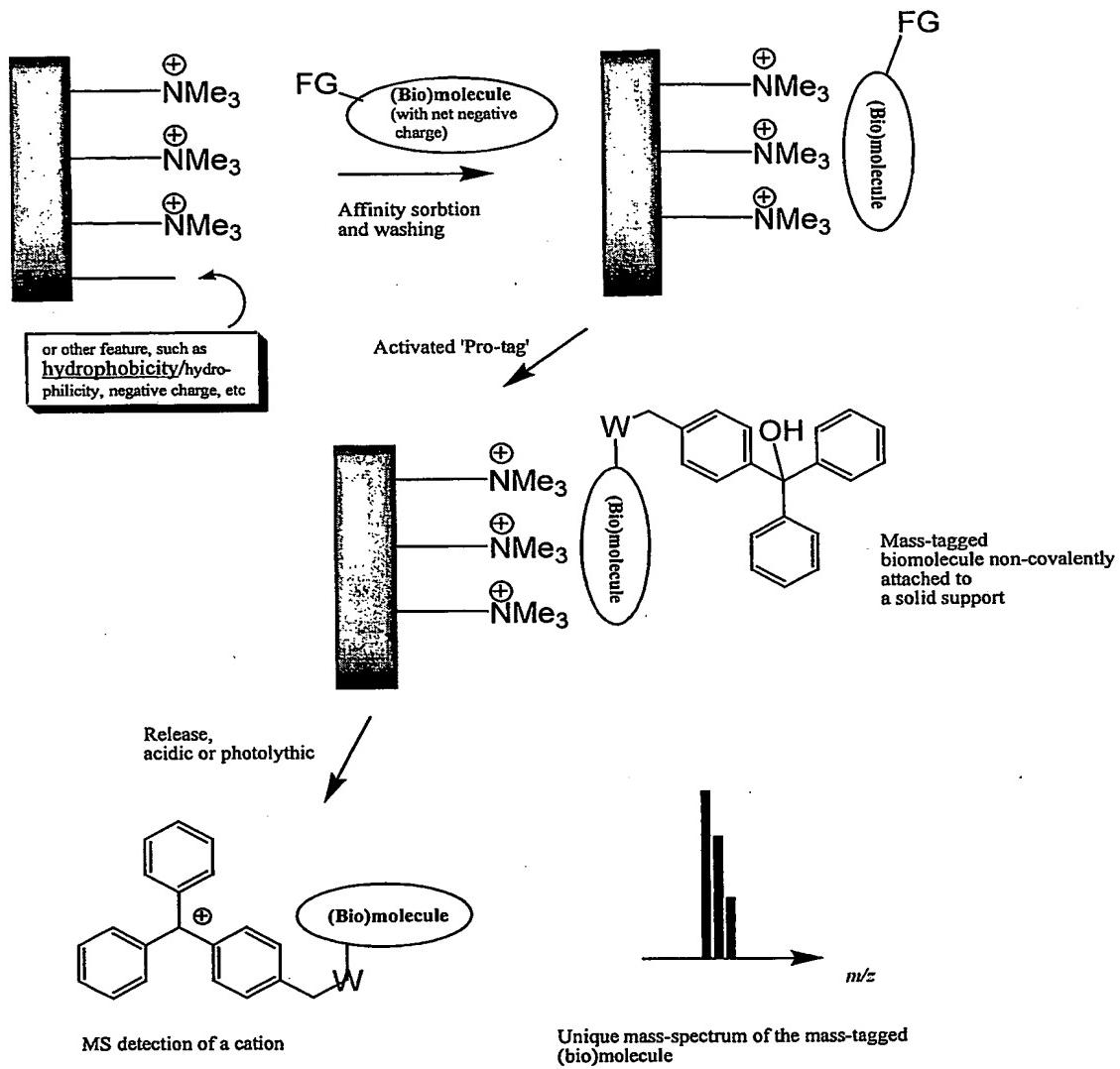
**Figure 4****Tryptyl Enhancer Tagging on Solid Support 2**

AFG, activated functional group, i.e. NHS or maleimido

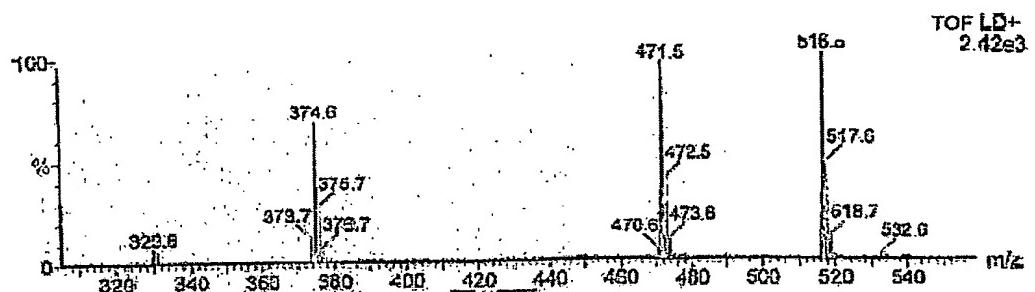
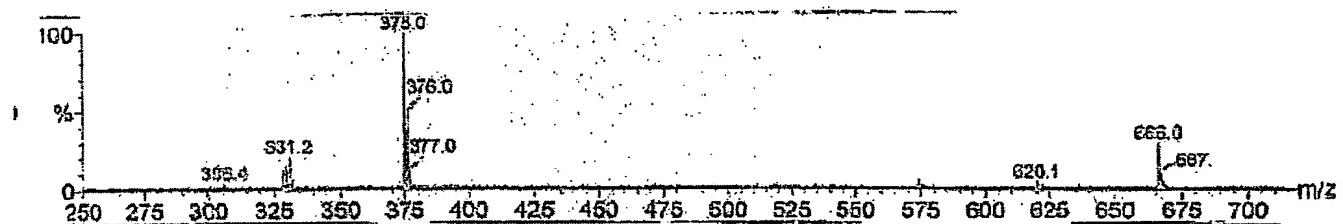
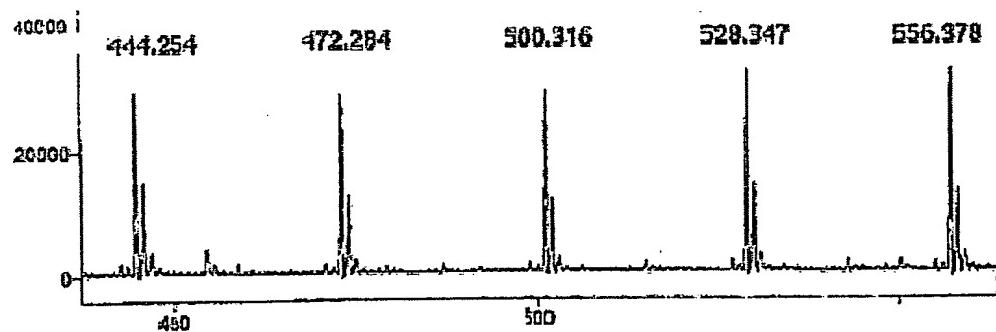
FG, functional group, i.e.  $\text{NH}_2$  or  $\text{SH}$

W, a bond between AFG and FG

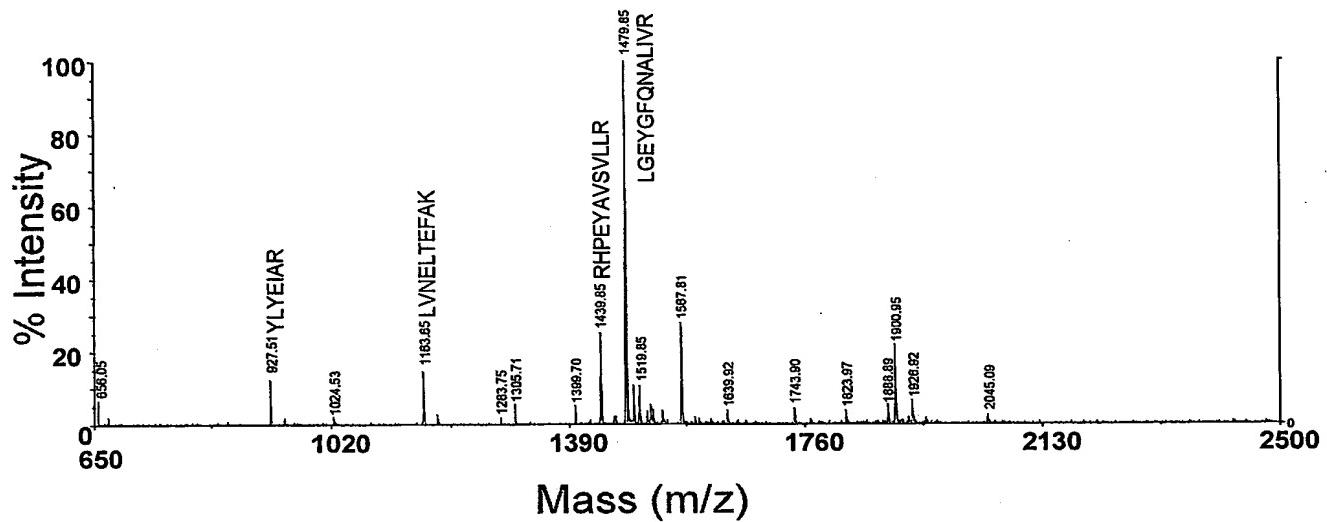
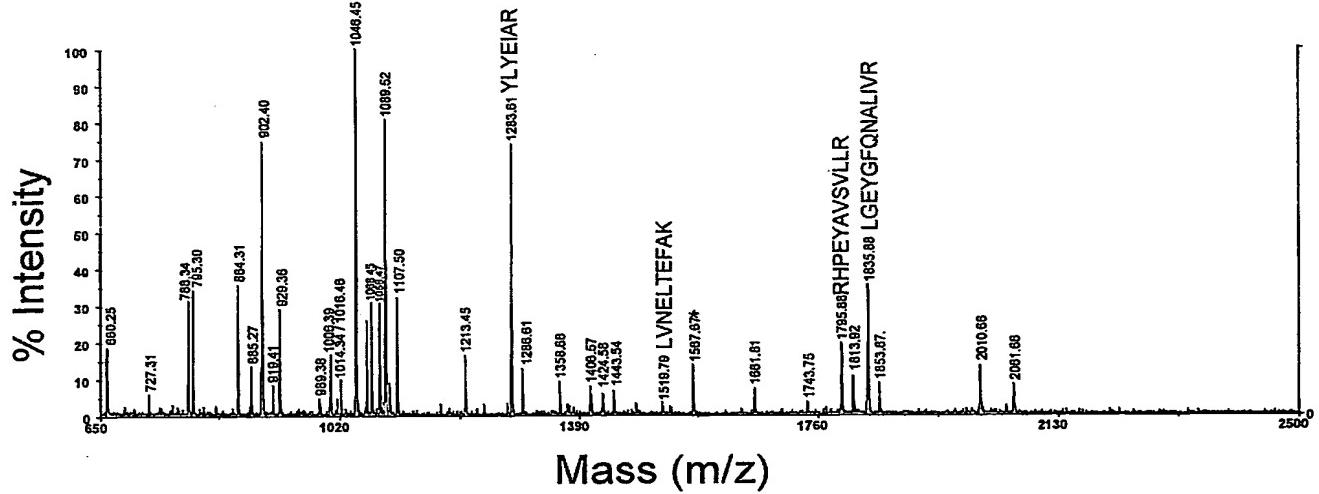
(Bio)molecule, a molecule to be analysed, i.e. a peptide

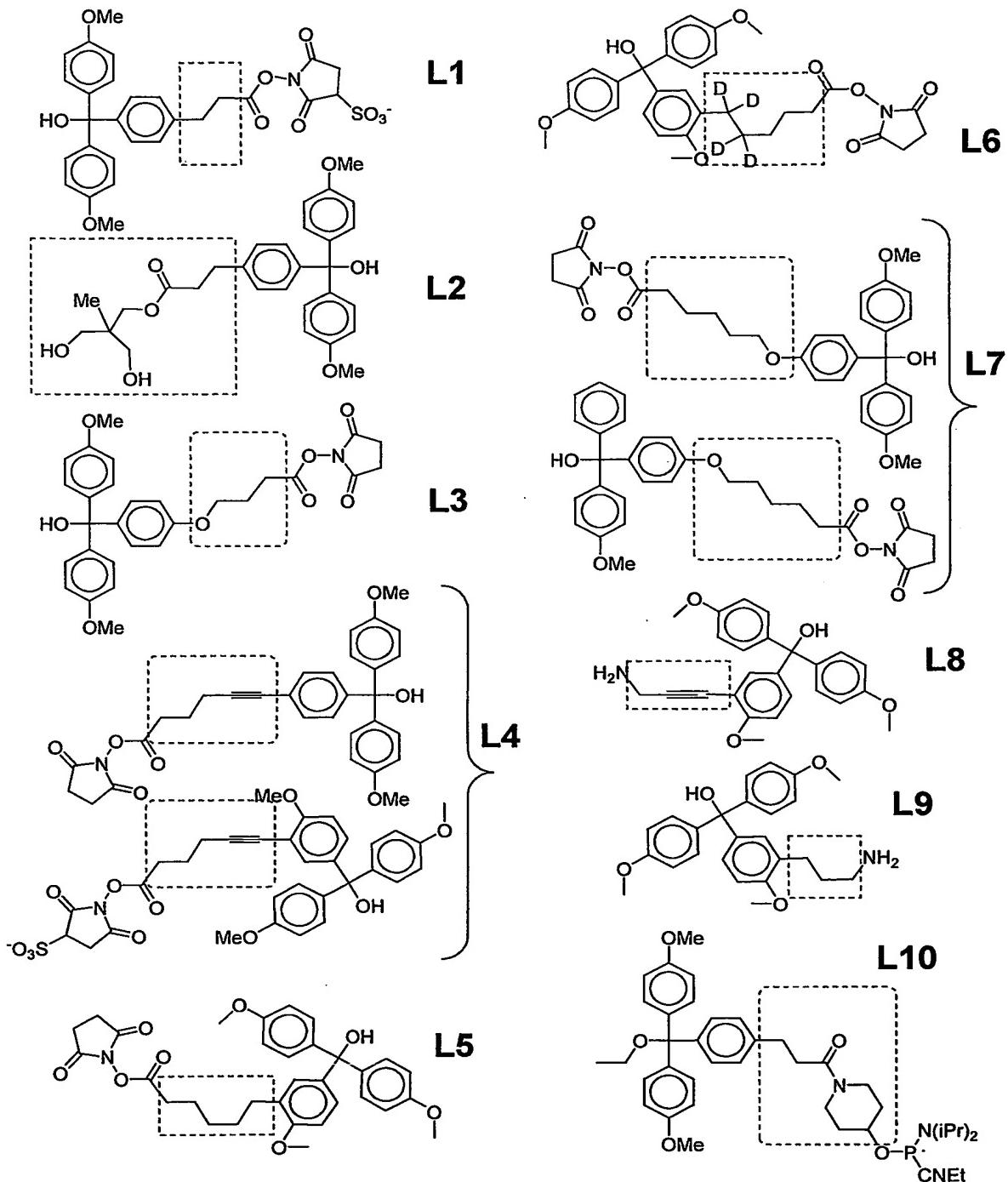
**Figure 5****Solid Support-Assisted Trityl Enhancer Tagging**

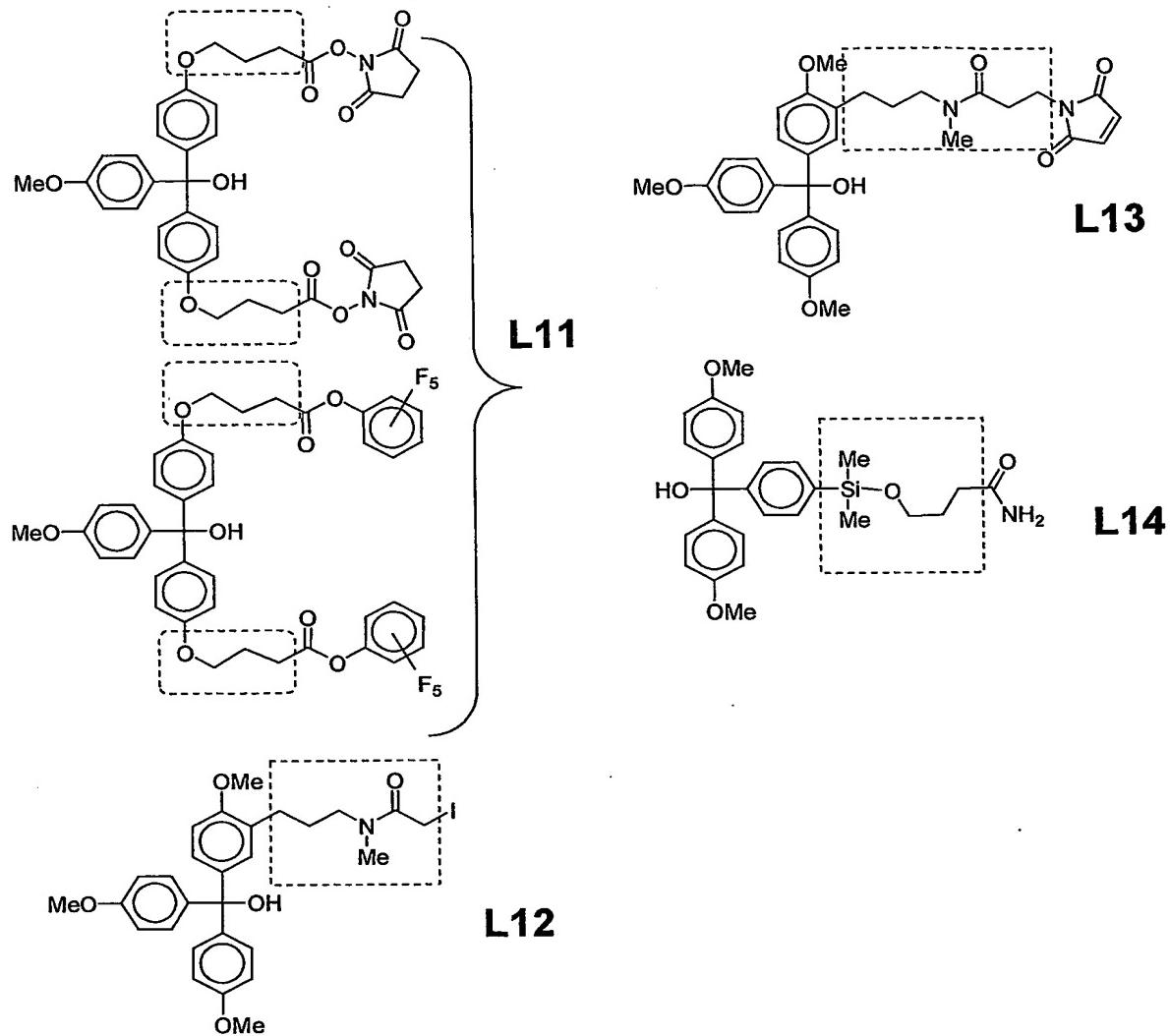
6/15

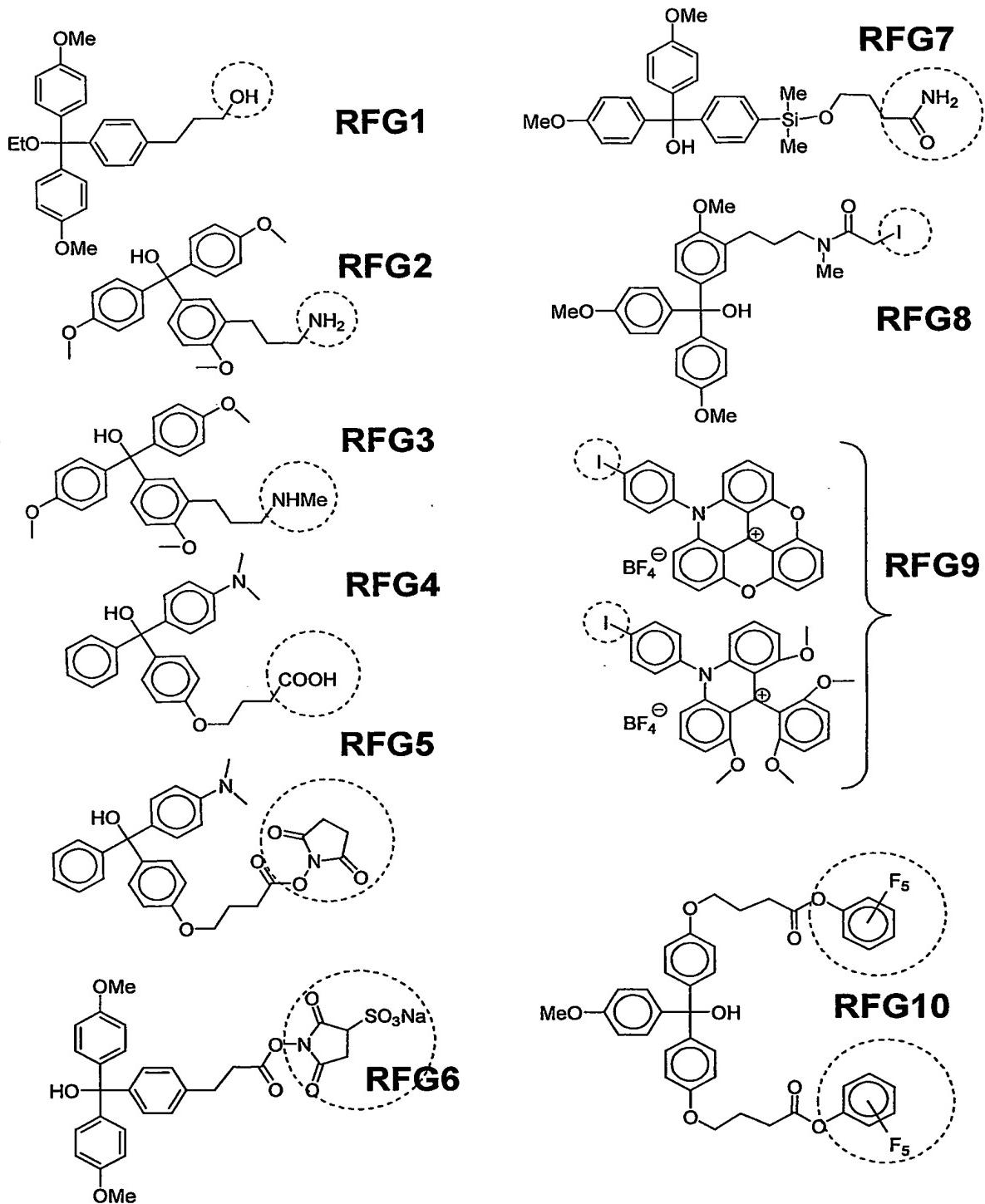
*Figure 6**Figure 7**Figure 9*

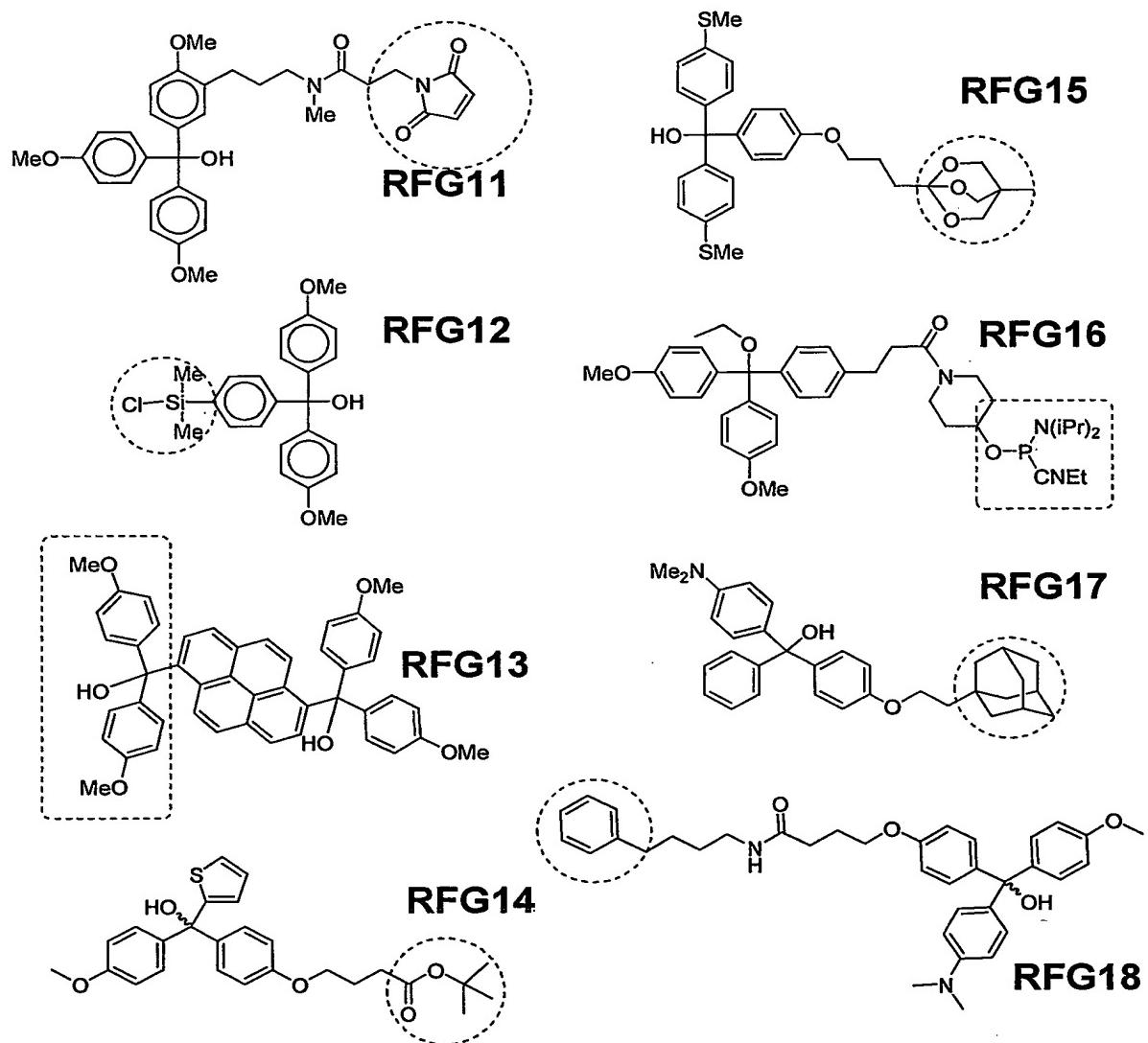
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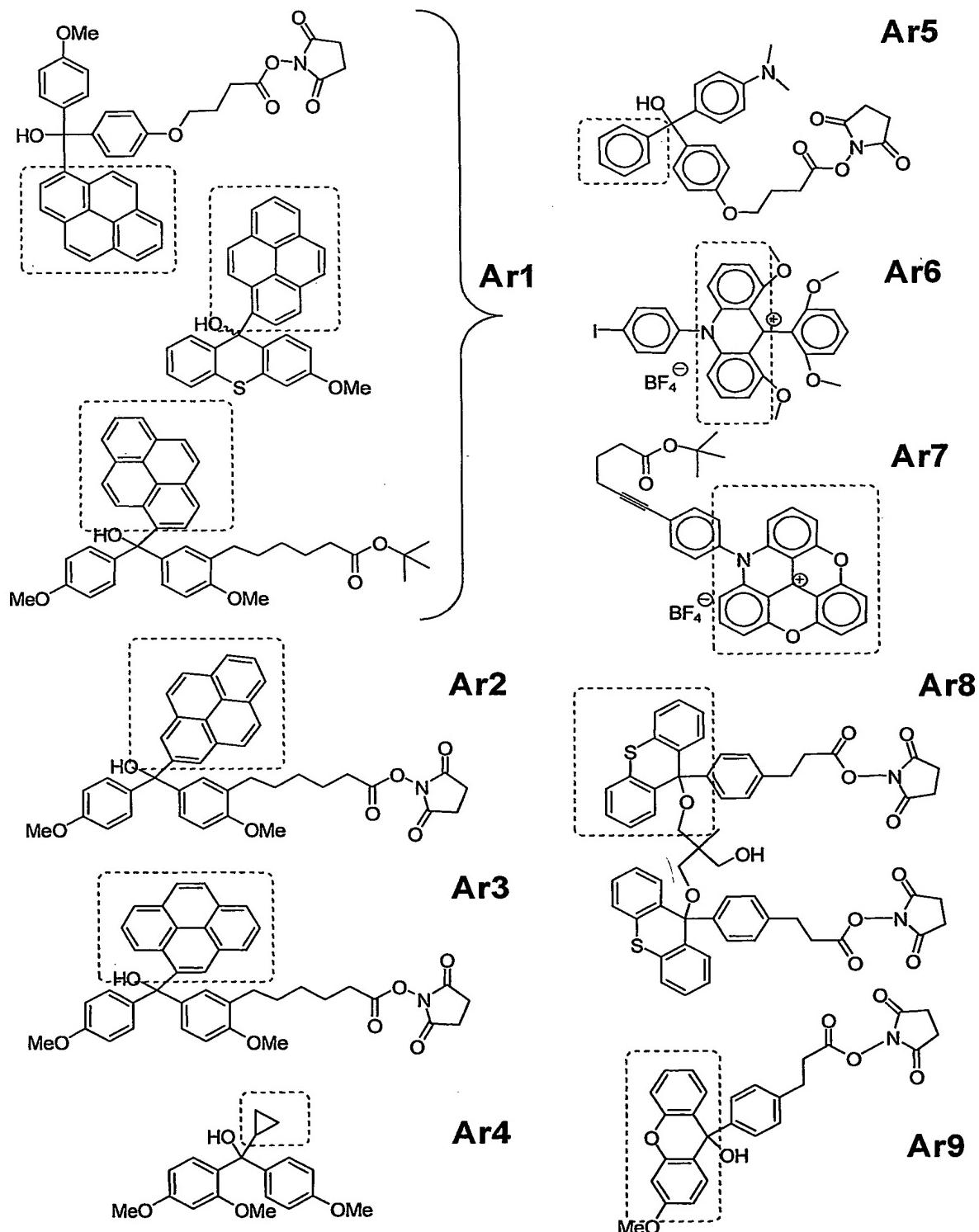
**Figure 8****Figure 8A****Figure 8B**

*Figure 10A*

**Figure 10B**

*Figure 11A*

**Figure 11B**

**Figure 12A**

13/15

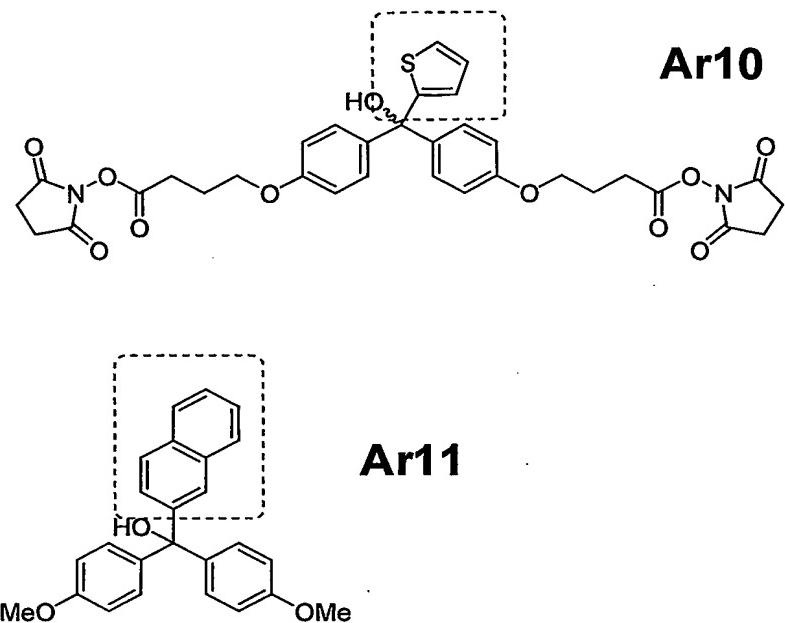
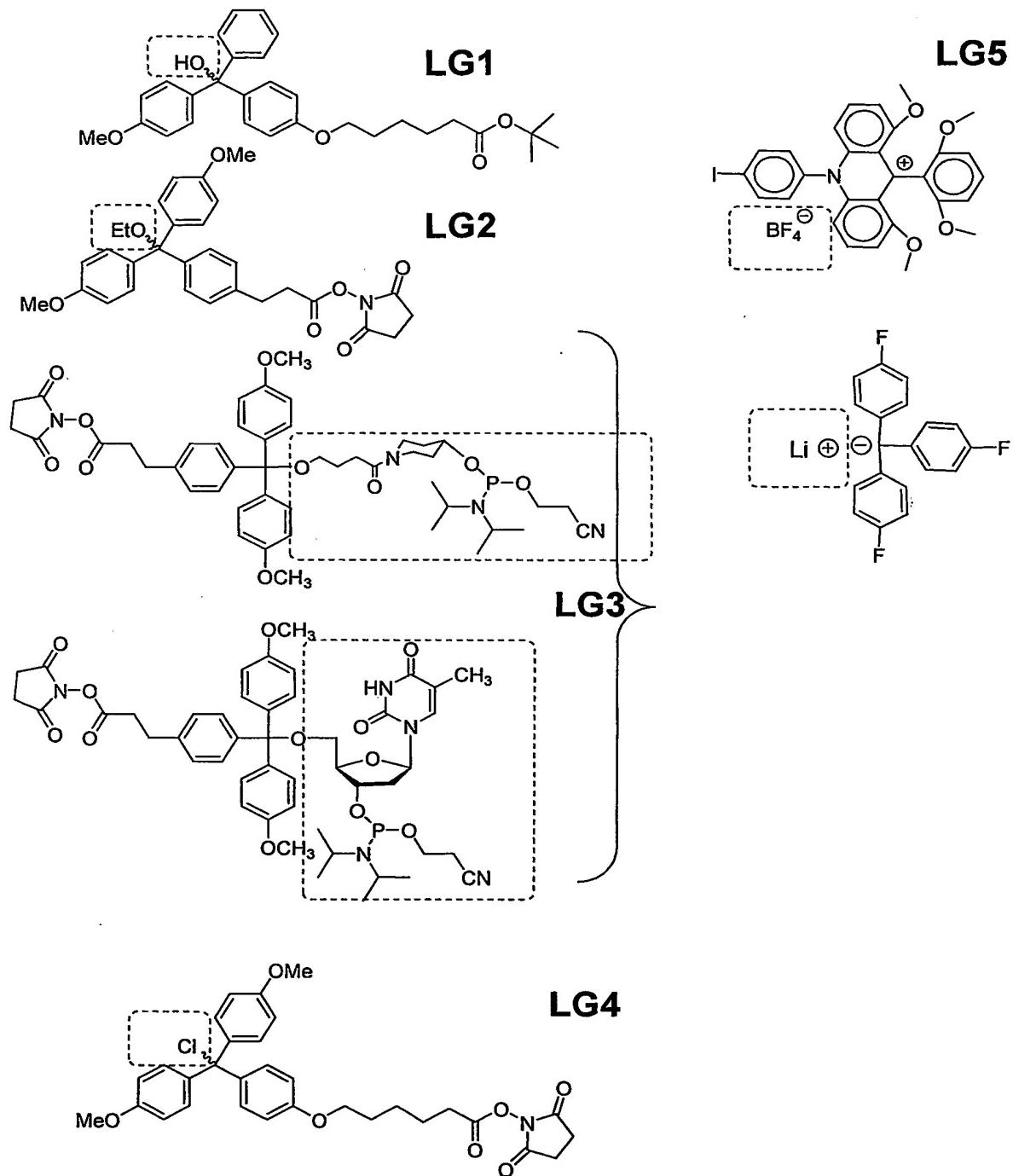
*Figure 12B*

Figure 13



15/15

*Figure 14*